

INTRODUCTORY COMMENTS

This communication is in response to the Office Action dated August 6, 2007. The Applicant greatly appreciates the Examiner's insights thus far in the examination of this case. Claims are amended based on the Examiner's input and are now in condition for allowance.

Amendments to the claims begin on page 2 of this paper.

A listing of the claims begins on page 3 of this paper.

Remarks/Arguments begin on page 13 of this paper.

AMENDMENTS TO THE CLAIMS

In the Claims:

Claims 1-24 were previously pending.

Claims 11, 14, and 20 are canceled

Claims 1, 10, 13, 16-17 are currently amended.

Claims 1-10, 12-13, 15-19, and 21-24 are currently pending.

Listing of Claims:

1. (Currently Amended) A computer-readable storage medium containing instructions that are executable by a computer to perform steps comprising:

sending an HTTP request that includes geographical coordinates of a mobile client;

receiving from a server, geographically-dependent content that is customized to the geographical coordinates in the HTTP request, the geographically-dependent content including a valid zone indicator indicating an area in which the geographically-dependent content is valid, wherein the area is customized in size according to the geographically-dependent content;

comparing a current location of the mobile client to the valid zone indicator;

determining that the geographically-dependent content is no longer valid based on the comparing; and

sending a new HTTP request that includes new geographical coordinates of the mobile client.

2. (Original) A computer-readable storage medium as recited in claim 1, the steps further comprising:

receiving from a server, new geographically-dependent content that is customized to the new geographical coordinates of the mobile client, the new geographically-dependent content including a new valid zone indicator indicating a new area in which the new geographically-dependent content is valid.

3. (Original) A computer-readable storage medium as recited in claim 1, wherein the sending an HTTP request comprises:

accepting a designation of hyperlinked content from a user; and
obtaining the geographical coordinates of the mobile client from a global positioning receiver associated with the mobile client.

4. (Original) A computer-readable storage medium having stored thereon a hyperlink browser program, the hyperlink browser program being executable by a mobile computer to perform steps comprising:

accepting a designation of hyperlinked content from a user;
obtaining current geographical coordinates of the mobile computer from a global positioning receiver associated with the mobile computer;
in response to user designation of hyperlinked content, sending an HTTP request to a hyperlinked content network over a wireless transmission medium;
and
including the current geographical coordinates of the mobile computer in the HTTP request.

5. (Original) A computer-readable storage medium as recited in claim 4, wherein the geographical coordinates are included in an HTTP request header along in the HTTP request.

6. (Original) A computer-readable storage medium as recited in claim 4, the steps further comprising:

receiving and rendering geographically-dependent content from the hyperlinked content network as a result of the HTTP request.

7. (Original) A computer-readable storage medium as recited in claim 4, the steps further comprising:

receiving geographically-dependent content from the hyperlinked content network as a result of the HTTP request, wherein a valid zone specification is returned to the hyperlink browser program in conjunction with the geographically-dependent content, the valid zone specification indicating a geographical zone within which the geographically-dependent content is considered valid.

8. (Original) A computer-readable storage medium as recited in claim 4, the steps further comprising:

receiving geographically-dependent content from the hyperlinked content network as a result of the HTTP request, wherein a valid zone specification is returned to the hyperlink browser program in conjunction with the geographically-dependent content, the valid zone specification indicating a geographical zone within which the geographically-dependent content is considered valid; and

sending a new HTTP request when the mobile computer leaves the indicated geographical zone.

9. (Original) A computer-readable storage medium as recited in claim 4, the steps further comprising:

receiving geographically-dependent content from the hyperlinked content network as a result of the HTTP request, wherein a valid radius is returned to the

hyperlink browser program in conjunction with the geographically-dependent content, the valid radius indicating a radius from the current geographical coordinates within which the geographically-dependent content is considered valid; and

invalidating the geographically-dependent content when the mobile computer leaves an area encompassed by the radius.

10. (Currently Amended) A mobile information system comprising:

a mobile client running a mobile hyperlink browser to communicate with one or more remote servers, wherein geographically-dependent hyperlinked content is available from the servers;

wherein the mobile hyperlink browser sends resource requests to the servers; ~~and~~

wherein a resource request from the mobile hyperlink browser includes geographical coordinates indicating a current location of the mobile hyperlink browser;

wherein the servers return geographically-dependent content having a valid zone specification indicating a geographical zone within which the geographically-dependent content is considered valid, wherein the geographical zone is customized in size according to the geographically-dependent content; and

wherein the mobile hyperlink browser invalidates geographically-dependent content when the mobile client leaves the geographical zone specified by the valid zone specification.

11. (Canceled)

12. (Original) A mobile information system as recited in claim 10, wherein the servers return valid zone specifications in conjunction with returned geographically-dependent content, the valid zone specifications indicating geographical zones within which the returned geographically-dependent content is considered valid; and

the mobile hyperlink browser sends a new resource request when the mobile hyperlink browser leaves the geographical zone specified for particular returned geographically-dependent content.

13. (Currently Amended) A mobile information system comprising:

a computer;

a wireless communications interface that provides communications between the computer and a remote server over a wireless communications medium;

a hyperlink browser that executes on the computer, the hyperlink browser sending resource requests to the remote server over the wireless communications medium;

a positioning receiver that generates varying geographical coordinates indicating a varying location of the computer;

wherein the hyperlink browser includes the varying geographical coordinates in at least some of the resource requests;

wherein the remote server returns a valid zone specification in conjunction with returned geographically-dependent content, the valid zone specification indicating a geographical zone within which the returned geographically-dependent content is considered valid, the geographical zone customized in size according to the geographically-dependent content; and

wherein the hyperlink browser invalidates returned geographically-dependent content when the computer leaves the geographical zone specified for that returned geographically-dependent content.

14. (Canceled)

15. (Original) A mobile information system as recited in claim 13, wherein the remote server returns a valid zone specification in conjunction with returned geographically-dependent content, the valid zone specification indicating a geographical zone within which the returned geographically-dependent content is considered valid; and

the hyperlink browser sends a new resource request when the computer leaves the geographical zone specified for particular returned geographically-dependent content.

16. (Currently Amended) A hyperlink browsing system comprising:

a plurality of servers that provide geographically-dependent hyperlinked content on a wide-area network;

a plurality of mobile clients that communicate with the wide-area network over a wireless communications medium, each mobile client having a varying location, a positioning receiver that generates varying geographical coordinates indicating the varying location of the mobile client, and a hyperlink browser that is responsive to user designations of hyperlinked content to send an HTTP request to servers and to render content that is returned in response to the HTTP request;

wherein the HTTP request includes current geographical coordinates of the mobile client; ~~and~~

wherein the servers select and return different geographically-dependent content to the hyperlink browser in response to the HTTP request depending on the geographical coordinates in the HTTP request;

wherein the servers returns a valid zone specification in conjunction with returned geographically-dependent content, the valid zone specification indicating a geographical zone within which the returned geographically-dependent content is considered valid, the geographical zone customized in size according to the geographically-dependent content.

17. (Currently Amended) A hyperlink browsing system comprising:

a plurality of servers that provide hyperlinked content on a wide-area network, wherein at least some of the hyperlinked content is geographically-dependent;

a plurality of mobile clients that communicate with the wide-area network over a wireless communications medium, the mobile clients having varying locations;

the mobile clients having positioning receivers that generate varying geographical coordinates indicating the varying locations of the mobile clients;

the mobile clients having hyperlink browsers that are responsive to user designations of hyperlinked content to send HTTP requests to servers and to render content that is returned in response to the HTTP requests;

wherein the hyperlink browser of a particular mobile client includes current geographical coordinates of that mobile client in HTTP requests; ~~and~~

wherein the servers select and return different geographically-dependent content to the hyperlink browsers in response to the HTTP requests depending on the geographical coordinates in the HTTP requests; ~~and~~

wherein the servers return valid zone specifications in conjunction with returned geographically-dependent content, the valid zone specifications indicating geographical zones within which the returned geographically-dependent content is considered valid; and

wherein the geographical zones are customized in size according to the geographically-dependent content.

18. (Original) A hyperlink browsing system as recited in claim 17, wherein the geographical coordinates are included in an HTTP request header along with each HTTP request.

19. (Original) A hyperlink browsing system as recited in claim 17, wherein the returned content includes advertising supplements, and wherein at least one of the servers is configured to select advertising supplements returned to a particular mobile client based on the geographical location of that particular mobile client.

20. (Canceled)

21. (Original) A hyperlink browsing system as recited in claim 17, wherein the servers return valid radii specifications in conjunction with returned geographically-dependent content, each valid radius specification indicating a radius from the geographical coordinates of an HTTP request, within which a returned geographically-dependent content is considered valid.

22. (Original) A hyperlink browsing system as recited in claim 17, wherein:

the servers return valid zone specifications in conjunction with returned geographically-dependent content, the valid zone specifications indicating geographical zones within which the returned geographically-dependent content is considered valid; and

the hyperlink browser of a particular mobile client sends a new resource request when that mobile client leaves the geographical zone specified for particular returned geographically-dependent content.

23. (Original) A hyperlink browsing system as recited in claim 17, wherein the returned geographically-dependent content comprises a listing of mobile users in proximity to requesting mobile clients.

24. (Original) A hyperlink browsing system as recited in claim 17, wherein at least one of the servers maintains a database indicating current locations of different mobile clients based on the HTTP requests submitted by said clients, and wherein the returned geographically-dependent content comprises a listing of mobile clients in proximity to requesting mobile clients.